

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010924\
 Data File : VY016941.D
 Acq On : 09 Jan 2024 10:56
 Operator : SY/MD
 Sample : VY0109SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0109SBL01

Quant Time: Jan 10 02:23:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.813	168	117640	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	250889	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	238501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	90601	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	56466	48.564	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.120%
35) Dibromofluoromethane	7.746	113	59014	36.912	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.820%
50) Toluene-d8	10.203	98	220513	40.054	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.100%
62) 4-Bromofluorobenzene	12.502	95	71920	38.720	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.440%

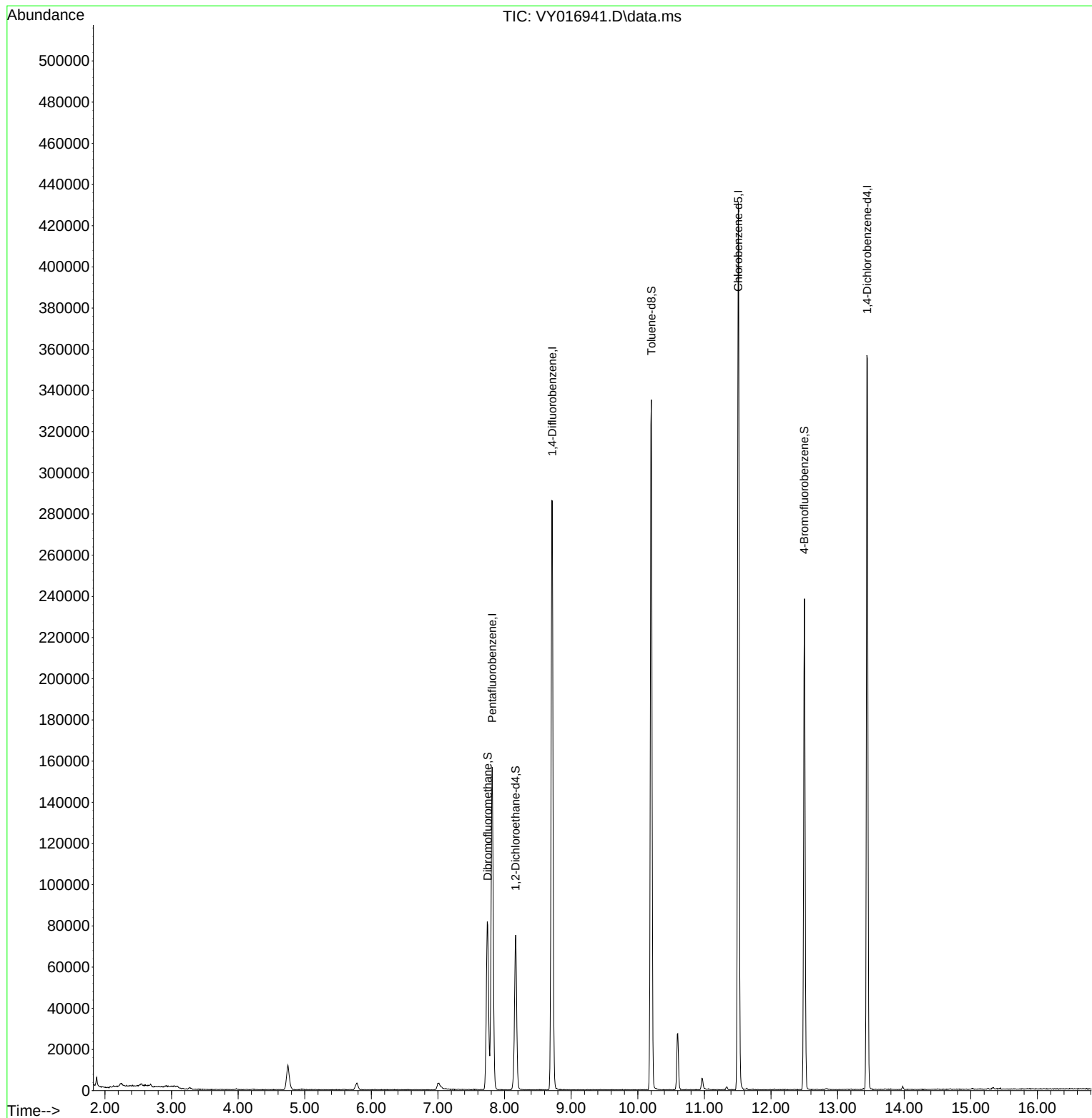
Target Compounds	Qvalue

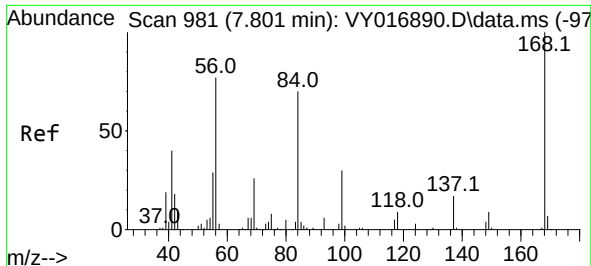
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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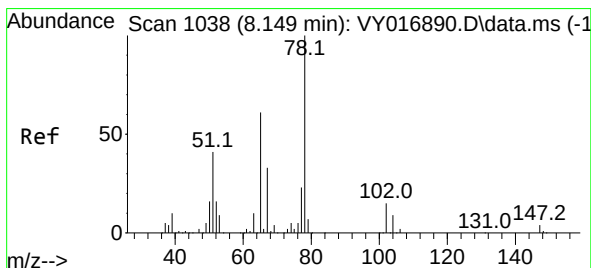
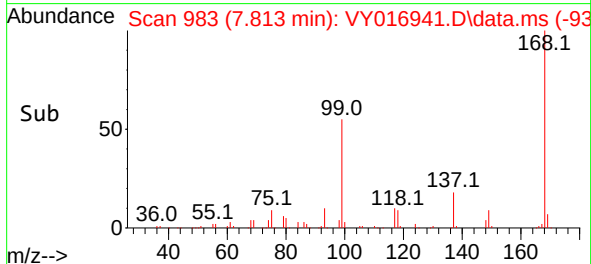
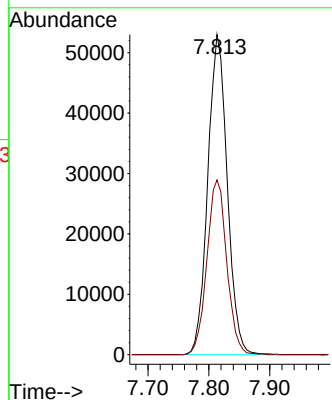
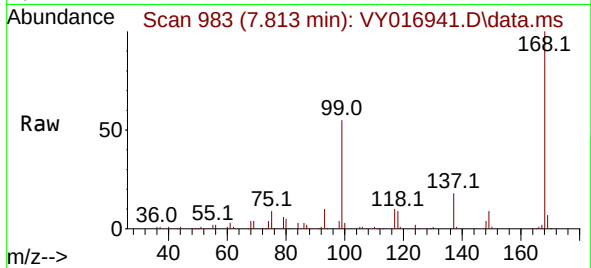




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016941.D
Acq: 09 Jan 2024 10:56

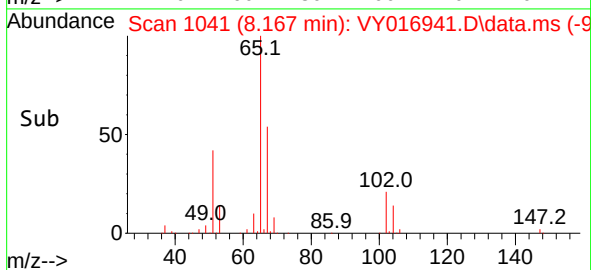
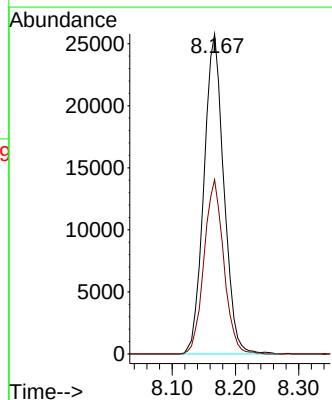
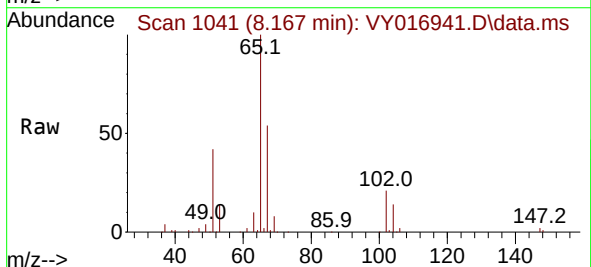
Instrument :
MSVOA_Y
ClientSampleId :
VY0109SBL01

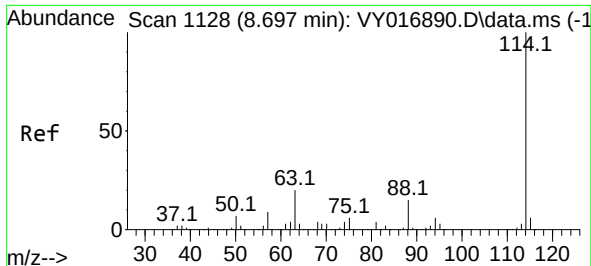
Tgt Ion:168 Resp: 117640
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.564 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016941.D
Acq: 09 Jan 2024 10:56

Tgt Ion: 65 Resp: 56466
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1128

Delta R.T. 0.013 min

Lab File: VY016941.D

Acq: 09 Jan 2024 10:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0109SBL01

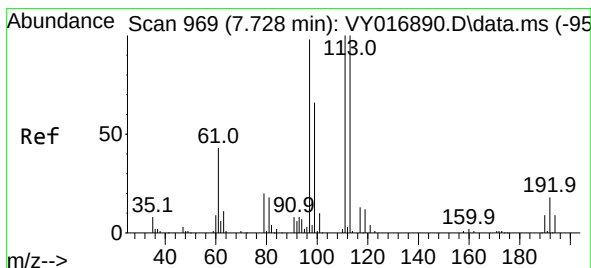
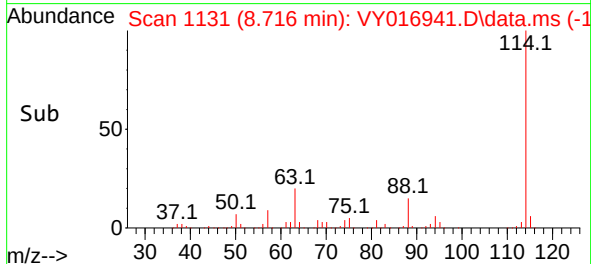
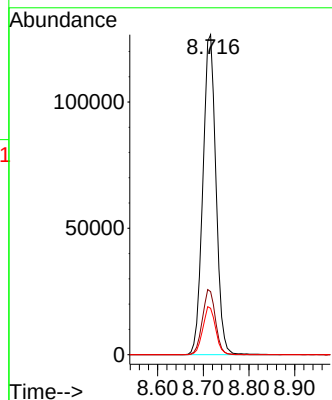
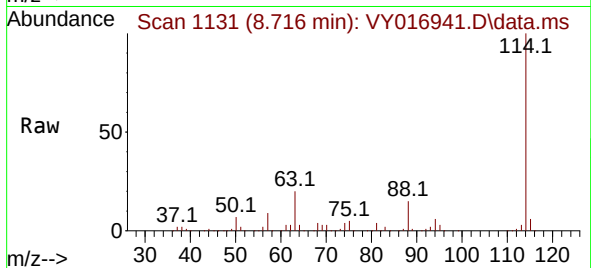
Tgt Ion:114 Resp: 250889

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 36.912 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.018 min

Lab File: VY016941.D

Acq: 09 Jan 2024 10:56

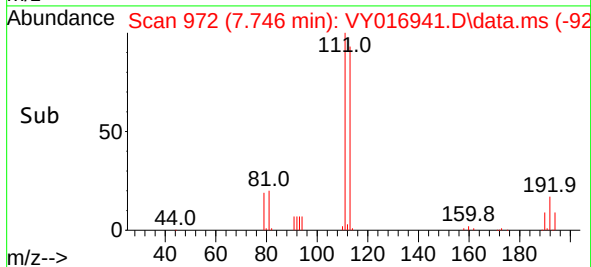
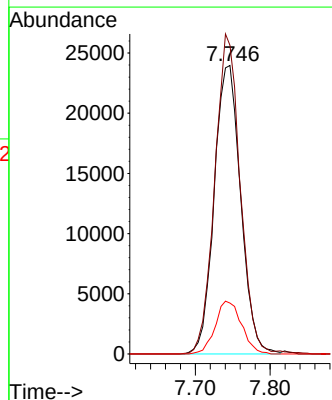
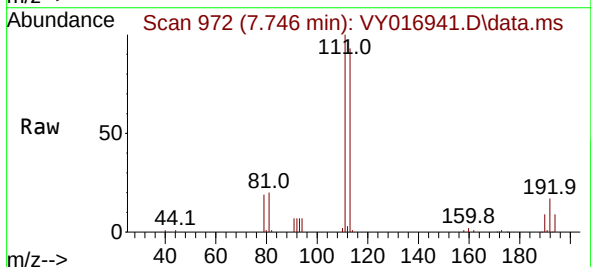
Tgt Ion:113 Resp: 59014

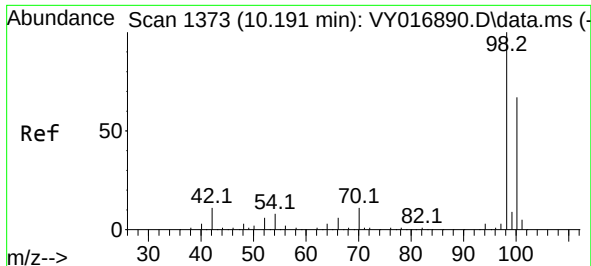
Ion Ratio Lower Upper

113 100

111 106.6 83.8 125.6

192 18.2 14.5 21.7

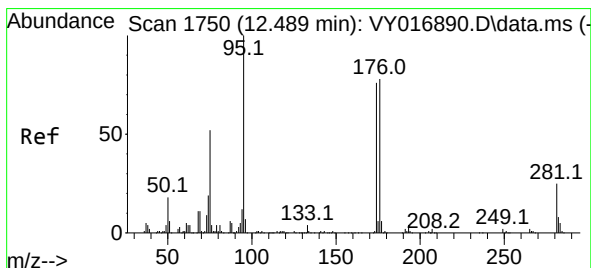
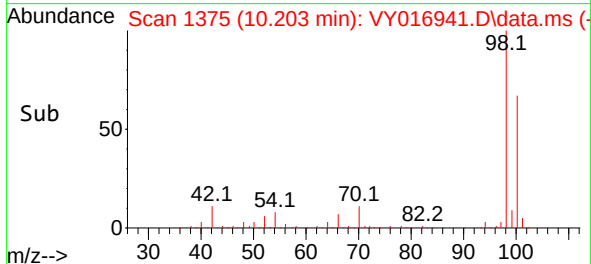
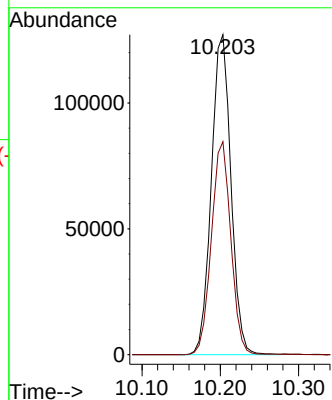
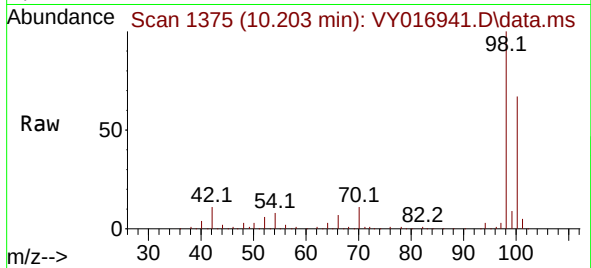




#50
Toluene-d8
Concen: 40.054 ug/l
RT: 10.203 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016941.D
Acq: 09 Jan 2024 10:56

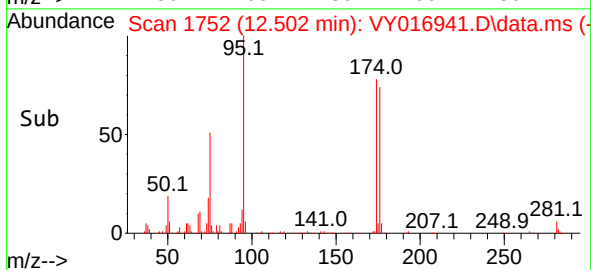
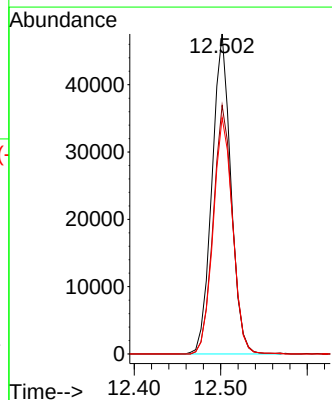
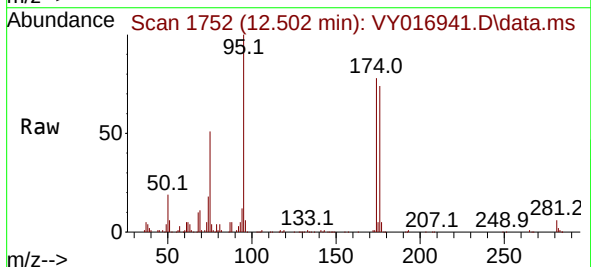
Instrument :
MSVOA_Y
ClientSampleId :
VY0109SBL01

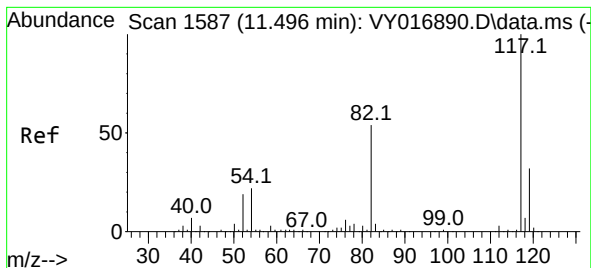
Tgt Ion: 98 Resp: 220513
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.720 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.013 min
Lab File: VY016941.D
Acq: 09 Jan 2024 10:56

Tgt Ion: 95 Resp: 71920
Ion Ratio Lower Upper
95 100
174 79.1 0.0 160.0
176 76.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016941.D

Acq: 09 Jan 2024 10:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0109SBL01

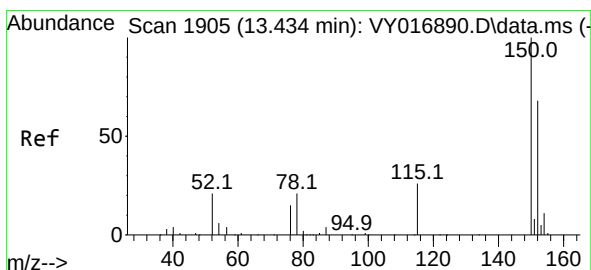
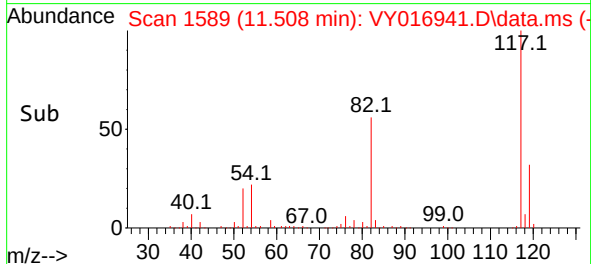
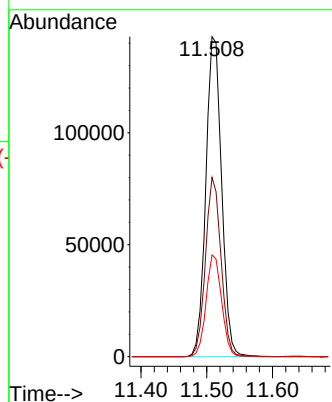
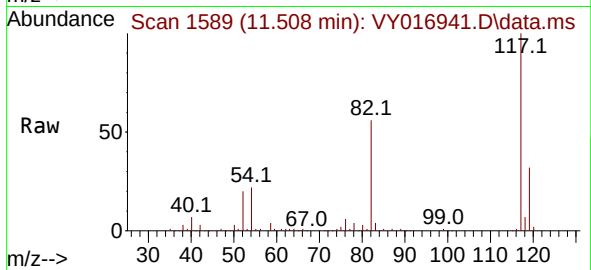
Tgt Ion:117 Resp: 238501

Ion Ratio Lower Upper

117 100

82 56.0 43.8 65.8

119 31.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.013 min

Lab File: VY016941.D

Acq: 09 Jan 2024 10:56

Tgt Ion:152 Resp: 90601

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 159.4 0.0 344.6

